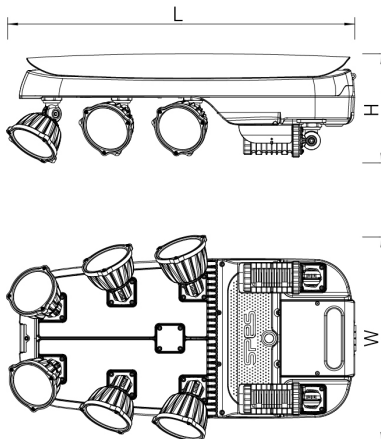




- Applications**
- Potential Crime Zones
  - Industrial Facilities
  - Shopping Malls
  - School Zones
  - Parking Lots
  - Driveways
  - Walkways
  - Hospitals
  - Culturals

- Certification**
- UL
  - FCC
  - ICT
  - RCM
  - KC



**Description**

Real-Time Video Surveillance Over Smart Devices  
IP Camera (2 Mega Pixel)  
LED Lighting (95 lm/W)  
Cost & Energy Saving Through Wireless Network

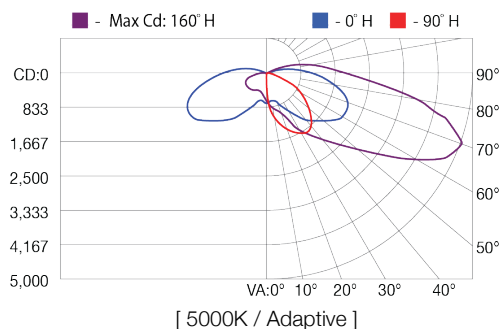
**Specifications**

<b>Model Name</b>	SPES2-080-E	
<b>Power Consumption</b>	100 W (LED : 80 W, AP/CAM : 20 W)	
<b>Light Source</b>	0.2W Mid Power LED Chips	
<b>Correlated Color Temperature</b>	5000K	
<b>Luminous Flux *</b>	7,600 lm	
<b>Luminous Efficacy *</b>	95 lm/W	
<b>LED Driving Current *</b>	83.3 mA	
<b>Color Rendering Index</b>	80 Ra	
<b>Light Distribution</b>	Adaptive	
<b>LED Chip Manufacturer</b>	SAMSUNG	
<b>Input Voltage</b>	100 ~ 240 Vac	100 ~ 277 Vac
<b>Input Current</b>	LED - Max. 1.25A (@100Vac) AP/CAM - Max. 0.43A (@115Vac Typical Load)	
<b>Power Factor</b>	≥0.9 at Max load	
<b>Frequency</b>	50 / 60 Hz	
<b>Surge Protection</b>	Line-Line 2kV, Line-FG 4kV	
<b>Driver Type</b>	Constant Current (CC)	
<b>Fixture &amp; Driver Manufacturer</b>	KMW INC. / Made in Korea	
<b>Size ( L x W x H )</b>	26.6 x 15.9 x 8.4 (inch)	674.5 x 403.5 x 212.5 (mm)
<b>Weight (Driver Included)</b>	29.0 lb	13.0 kg
<b>Material</b>	<b>Body</b>	Cast Aluminum
	<b>Optic</b>	Silver Coating Reflector
	<b>Cover</b>	Tempered Glass 3.2T (Clear)
<b>Finish</b>	Powder Coating	
<b>IP Rating</b>	IP65	
<b>Mounting Option</b>	Horizontal Tenon Mount	
<b>Mount Hole</b>	Ø2.4 in Pipe Applied	Ø60.5 mm Pipe Applied
<b>Operating Temperature</b>	-22°F ~ 140°F	-30°C ~ 60°C
<b>Life Time</b>	50,000 Hours (@77°F / 25°C)	
<b>Control System</b>	Sensor (Motion / daylight)	

\*Tolerance : ± 5%

**Photometry**

This distribution images is produced by a specific project only.



## Specifications

IP Camera	
Image Sensor	1/2.8" Sony CMOS Sensor
Maximum Resolution	1920 x 1080p
Lens	Optical 5x Mega Pixel Zoom Lens
PTR	±30 / -10~ +50 / ±45
FOV	Vertical : Wide 37.4° / Tele 7.94°
	Horizontal : Wide 49.2° / Tele 10.52°
	Diagonal : Wide 60.26° / Tele 13.08°
Min. illumination	Color : 0.7 lux(F1.2, 30IRE)
	B/W : 0.08 lux(F1.2, Slow Shutter ON, 30IRE)
Image Compression	H.264 - Main Profile
	MJPEG - Image Quality : 5steps(Lowest, Low, Medium, High, Highest)
Protocol	IPv4/6, HTTP, HTTPS, SMTP, UPnP, DNS
	Dynamic DNS, NTP, RTSP, RTP, TCP, UDP, IGMP, RTCP, ICMP, DHCP, ARP
Web Browser	Internet Explorer 7.0 or Above, Firefox, Chrome, PDA, Smart Phone
Security	Password Protection, HTTPS, IP Addressing Filtering

Wi-Fi Access Point	
Frequency Range	IEEE802.11b/g/n : 2.412GHz ~ 2.462GHz (US & Canada) / 2.412GHz ~ 2.472GHz (Europe) / 2.412GHz ~ 2.484GHz (Japan)
	IEEE802.11a/n : 5.150 ~ 5.350GHz, 5.470 ~ 5.725GHz, 5.725 ~ 5.850 GHz (US & Canada) 5.150 ~ 5.350GHz, 5.470 ~ 5.725GHz, 5.725 ~ 5.875GHz (Europe)
Receiving Sensitivity	-95dBm@MCS0
Radio Transmission Output	18dBm@2.4GHz, 17dBm(5GHz)
Wireless Transmission Standard	IEEE 802.11a/b/g/n, ad-hoc
Transmission Speed	3T3R. Maximum 450Mbps @HT40
Security/QoS	802.1xAuthenticator(EAP-TLS, EAP-TTLS, PEAP), MAC Based wireless connection, 64/128bit WEP, 802.11i
	802.11eWMM / QoS, Cos / maximum 8 virtual SSID
	802.1q VLAN / Wireless VLAN for each SSID / MAC Filtering
Consumption of Electrical Power	Maximum 9W
LAN/WAN	LAN (10/100Mbps), WAN(1Gbps)



## Network Video Recorder Specifications

Product Name	NVR
NVR Type	Standard / Professional
Channel	4CH (*Standard Only) 8CH 16CH (*Professional Only)
Storage Capacity	2TB (*Standard Only) 4TB (*Standard Only) 6TB (*Standard Only) 10TB (*Professional Only) 15TB (*Professional Only)
Power Cord Type	TBD